"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"The Seed and Seedling Diseases of Tung," Sovetskie Subtropiki, no. 6, 1935, pp. 65-60. 20 Sul2

So: SIRA-S;-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

" "Instructions for the Inspection of Cotton for Virus Diseases," in Collection of Instructions for Quarantine Inspection of Agricultural and Forest Crops, State Office of External and Internal Quarantine of Plants, Moscow, 1935, pp. 95-103. 464.47 Ef6

So: SIRA S1-90-53, 15 Dec, 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

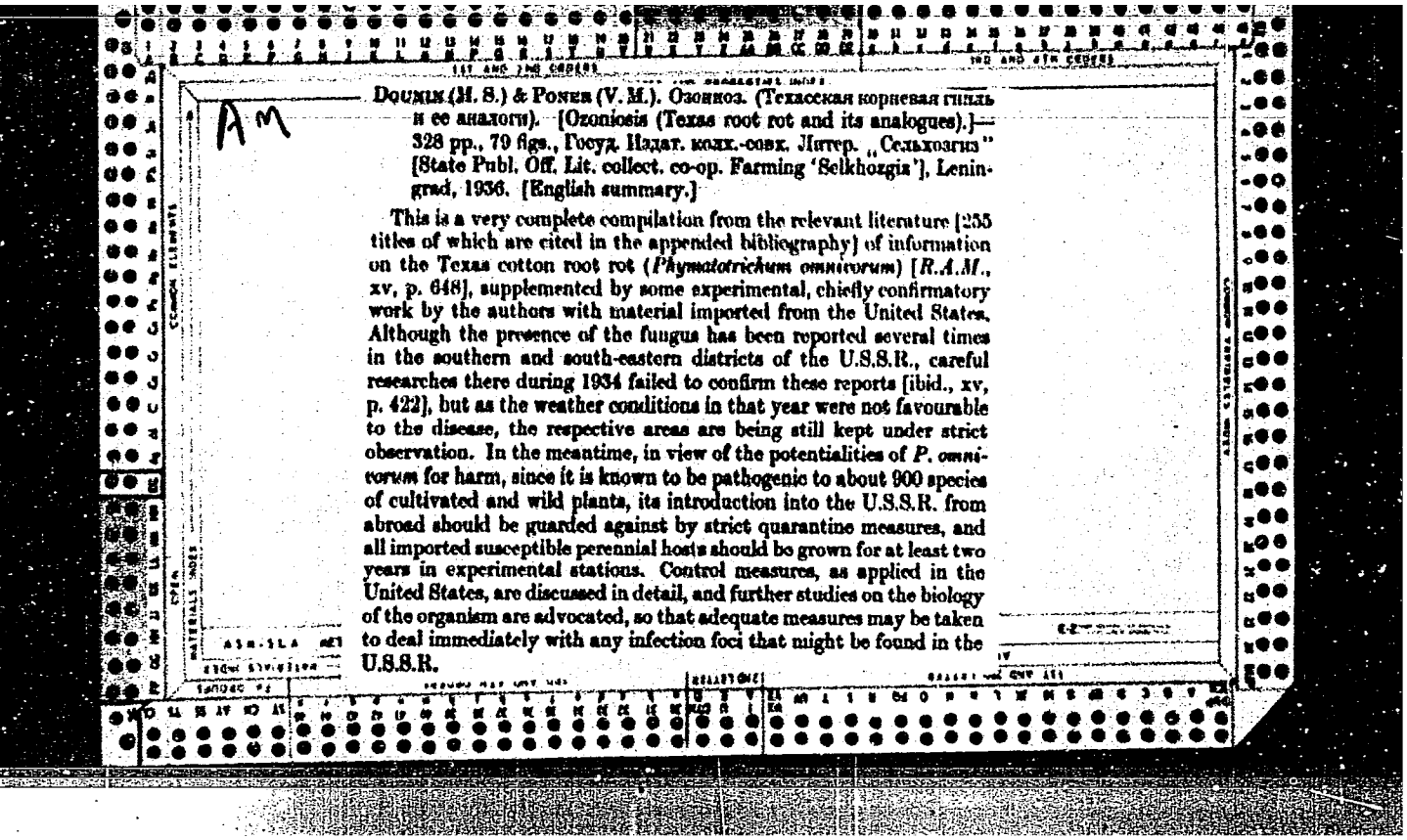
DUNIN, M. S.

"Diseases of Chufa (Cyperus esculantus L.) and Their Control," "Trudy Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Zernoboboykh Kul'tur, vol. 6, no. 2, 1935, pp. 99-142. 20 M856

So: SIRA-S1-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4



Doukhin (M. S.) & Ponen (V. M.). Озониоз. (Техасская корневая гниль и ее аналоги). [Ozoniosis (Texas root rot and its analogues).]—328 pp., 79 figs., Госуд. Издат. колх.-совх. Литер. „Сельхозгиз" [State Publ. Off. Lit. collect. co-op. Farming 'Selkhozgiz'], Leningrad, 1936. [English summary.]

This is a very complete compilation from the relevant literature [255 titles of which are cited in the appended bibliography] of information on the Texas cotton root rot (*Phymatotrichum omnivorum*) [*R.A.M.*, xv, p. 648], supplemented by some experimental, chiefly confirmatory work by the authors with material imported from the United States. Although the presence of the fungus has been reported several times in the southern and south-eastern districts of the U.S.S.R., careful researches there during 1934 failed to confirm these reports [ibid., xv, p. 422], but as the weather conditions in that year were not favourable to the disease, the respective areas are being still kept under strict observation. In the meantime, in view of the potentialities of *P. omnivorum* for harm, since it is known to be pathogenic to about 900 species of cultivated and wild plants, its introduction into the U.S.S.R. from abroad should be guarded against by strict quarantine measures, and all imported susceptible perennial hosts should be grown for at least two years in experimental stations. Control measures, as applied in the United States, are discussed in detail, and further studies on the biology of the organism are advocated, so that adequate measures may be taken to deal immediately with any infection foci that might be found in the U.S.S.R.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"Distribution and Economic Significances of Bacteriosis of Agricultural Plants in the U.S.S.R.," Itogi Nauchno-Issledovatel'skikh Rabot Vsesoiuznogo Institute Zashchity Rastenii za 1935 Goda, 1936, pp. 512-513.
423.92 L54I

So: SIRA-S1-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"Dry Treatment of Seed (Fiber Crops)," Za Novoe Volokno, no. 2, 1936, pp.23-39. 73.8 Z12

So: SIRA-S1-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"Virus Diseases of Seed Legume Crops," Trudy Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V. I. Lenina, no. 6, 1936, pp. 59-68.
464.32 V96

So: SIRA- S1-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

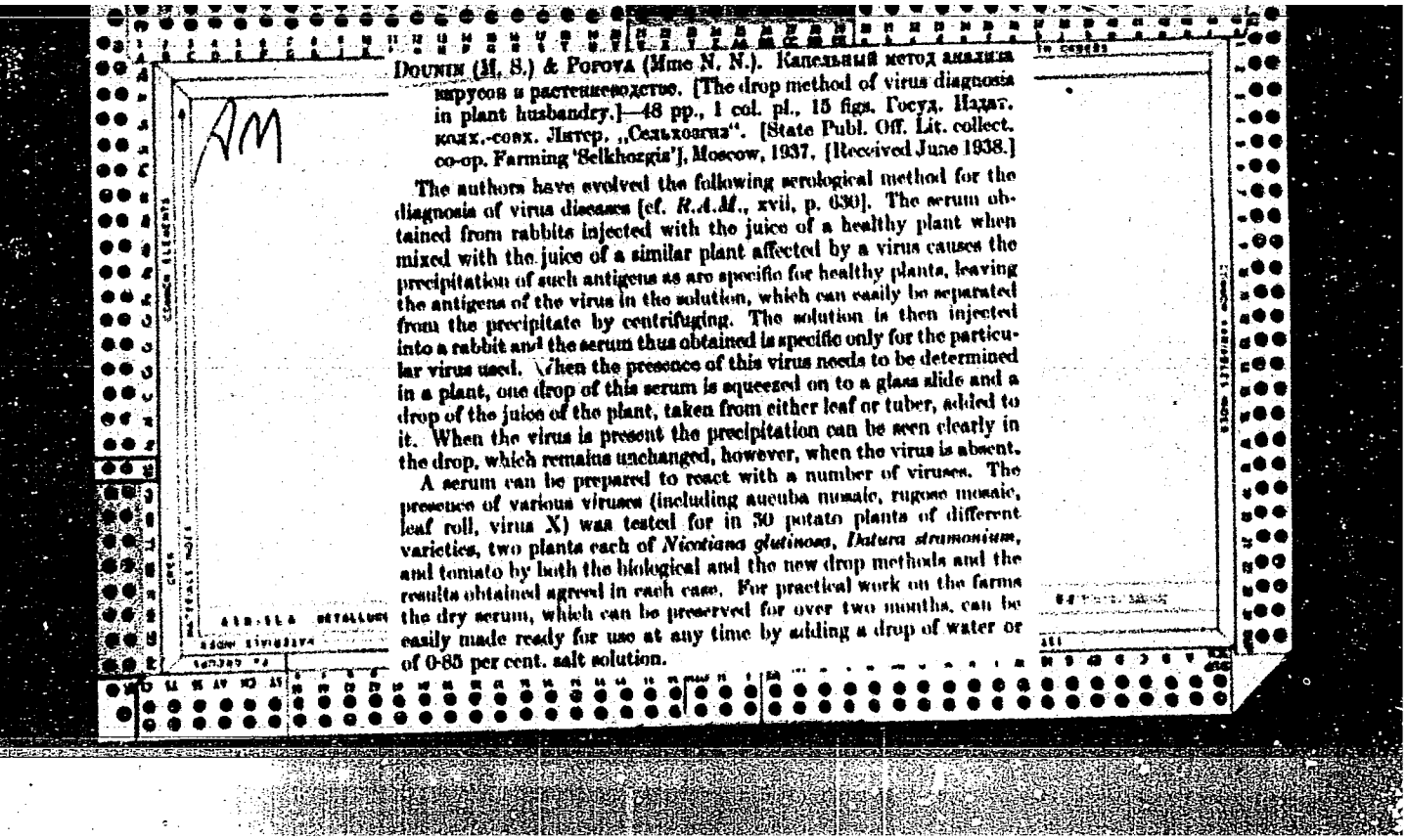
DUNIN, M. S.

"Tasks and Organization of Scientific-Research Works in Virus Diseases of Plants in U.S.S.R." Trudy Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V.I. Lenina, no.6, 1936, pp. 119-122. 464.32 V96

So: SIRA: S1-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4



DOUNIN (M. S.) & POPOVA (Mme N. N.). Капельный метод анализа вирусов в растениеводстве. [The drop method of virus diagnosis in plant husbandry.]—48 pp., 1 col. pl., 15 figs. Госуд. Издат. колх.-совх. Литер. „Сельхозгиз". [State Publ. Off. Lit. collect. co-op. Farming 'Selkhozgiz'], Moscow, 1937. [Received June 1938.]

The authors have evolved the following serological method for the diagnosis of virus diseases [cf. *R.A.M.*, xvii, p. 630]. The serum obtained from rabbits injected with the juice of a healthy plant when mixed with the juice of a similar plant affected by a virus causes the precipitation of such antigens as are specific for healthy plants, leaving the antigens of the virus in the solution, which can easily be separated from the precipitate by centrifuging. The solution is then injected into a rabbit and the serum thus obtained is specific only for the particular virus used. When the presence of this virus needs to be determined in a plant, one drop of this serum is squeezed on to a glass slide and a drop of the juice of the plant, taken from either leaf or tuber, added to it. When the virus is present the precipitation can be seen clearly in the drop, which remains unchanged, however, when the virus is absent.

A serum can be prepared to react with a number of viruses. The presence of various viruses (including aucuba mosaic, rugose mosaic, leaf roll, virus X) was tested for in 50 potato plants of different varieties, two plants each of *Nicotiana glutinosa*, *Datura stramonium*, and tomato by both the biological and the new drop methods and the results obtained agreed in each case. For practical work on the farms the dry serum, which can be preserved for over two months, can be easily made ready for use at any time by adding a drop of water or of 0·85 per cent. salt solution.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"Classification of Viruses," in Virus Diseases of Plants, Collection 2, Publishing Affiliate of the All Union Institute of Plant Protection, Moscow, 1938, pp 7-28. 464.32 V96 v.2

So: SIRA-S1-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"Virus Diseases of Raspberries and Currants in the USSR," Itogi Nauchno-Issledovatel'skikh Rabot Vsesoiuznogo Instituta Zashchity Rastenii za 1936 Goda, part 3 1938, pp 6-7. 423.92 L54I

So: SIRA-S1-90-53, 15 Dec 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"Abortive Seed of Soy," Trudy Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Severnogo Zernovogo Khoziaistva i Zernobobovykh Kul'tur, no. 3 1938, pp. 53-78. 106 M8523

So: SIRA: S1-90-53, 15 Dec. 1953

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S., 1946-

" Immunogenesis and its practical use." Tr. Sel'skokhoz. Akad. im Timiriazev, 4-, 147.

SC: Collection of Works on Nematodes of Agricultural Plants, Ed. by E. S. Kir'yanova, Gosizdat. Kolkhoz i Sovkhoz Lit., 1939, Moscow-Leningrad N/5
632.5
.C6

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"On Control Measures Against Potato and Tomato Virus Diseases," Itogi Nauchno-Issledovatel'skikh Rabot Vsesoiuznogo Instituta Zashchity Rastenii za 1939 Goda, 1940, pp. 74-81. 423.92 L541

So: SIRA S1-90-53, 15 Dec 1953

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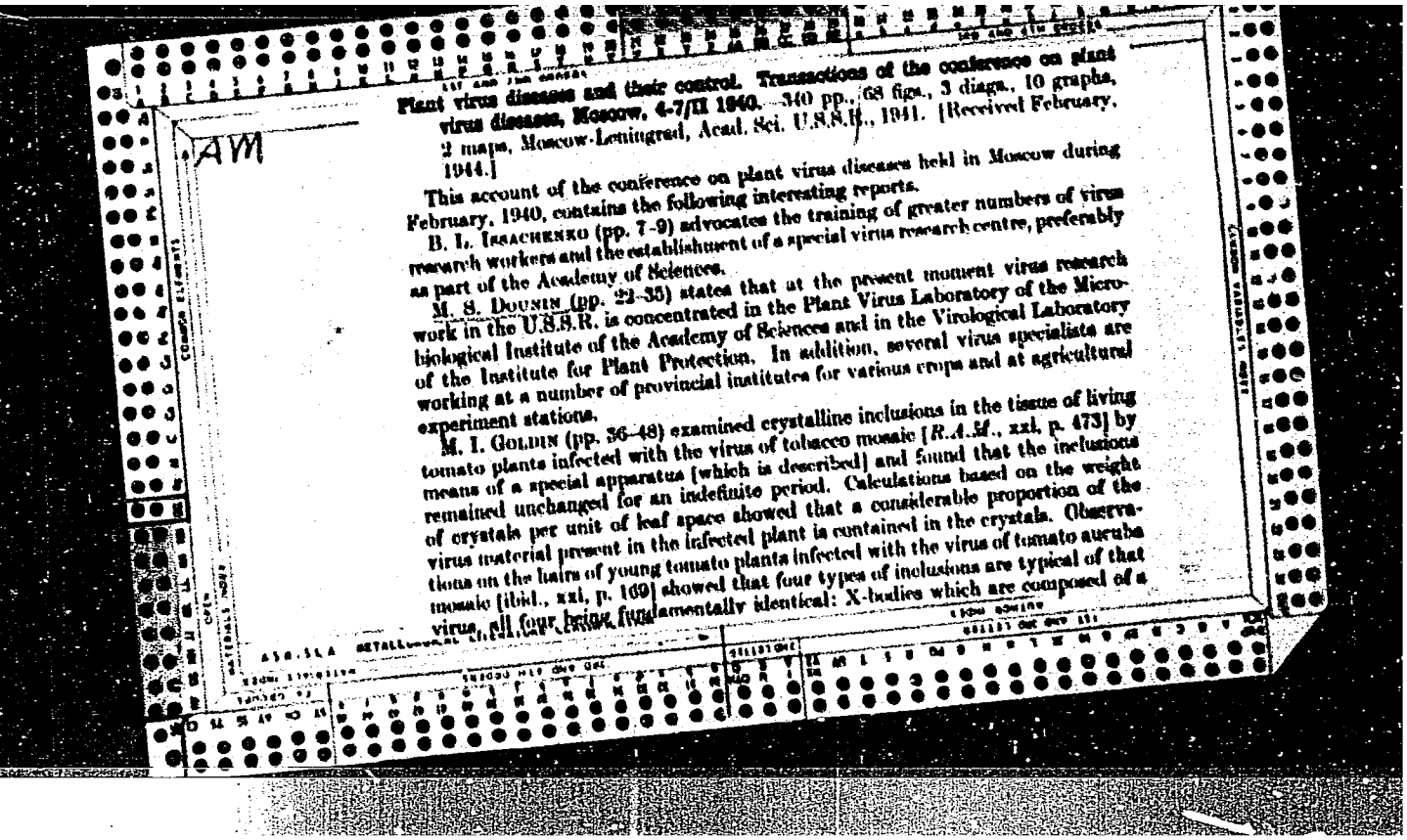

Plant virus diseases and their control. Transactions of the conference on plant virus diseases, Moscow, 4-7/II 1940. 340 pp., 68 figs., 3 diags., 10 graphs, 2 maps, Moscow-Leningrad, Acad. Sci. U.S.S.R., 1941. [Received February, 1944.]

This account of the conference on plant virus diseases held in Moscow during February, 1940, contains the following interesting reports.

B. L. ISSACHENKO (pp. 7–9) advocates the training of greater numbers of virus research workers and the establishment of a special virus research centre, preferably as part of the Academy of Sciences.

M. S. DOUNIN (pp. 22–35) states that at the present moment virus research work in the U.S.S.R. is concentrated in the Plant Virus Laboratory of the Microbiological Institute of the Academy of Sciences and in the Virological Laboratory of the Institute for Plant Protection. In addition, several virus specialists are working at a number of provincial institutes for various crops and at agricultural experiment stations.

M. I. GOLDIN (pp. 36–48) examined crystalline inclusions in the tissue of living tomato plants infected with the virus of tobacco mosaic [*R.A.M.*, xxi, p. 473] by means of a special apparatus [which is described] and found that the inclusions remained unchanged for an indefinite period. Calculations based on the weight of crystals per unit of leaf space showed that a considerable proportion of the virus material present in the infected plant is contained in the crystals. Observations on the hairs of young tomato plants infected with the virus of tomato aucuba mosaic [ibid., xxi, p. 169] showed that four types of inclusions are typical of that virus, all four being fundamentally identical: X-bodies which are composed of a

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"Viscocimetric Method of Immunobiological Analysis," in Virus Diseases of Plants and Measures for Their Control, Works of the Conference on Virus Diseases of Plants 1940, Publishing House of the Academy of Science USSR, Moscow, 1941, pp. 49-57. 464.32 So8

So: SIRA-S1-90-53,,15 Dec 1953

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DUNIN, M.S.

"Virus Super-precipitate-antigen and its Immunizing Properties," in Virus Diseases of Plants and Measures for Their Control, Works of the Conference on Virus Diseases of Plants 1940, Publishing House of the Academy of Science USSR, Moscow, 1941, pp. 62-57. 464.32 So8

So: SIPA-S1-90-53, 15 Dec 1953

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

" "Immunogenesis and Its Practical Utilization," Trudy Moskovskogo Ordena Lenina Sel'skokhoziaistvennoi Akademii imeni K. A. Timiriazeva, no. 40, 1946, op. 1-146. 106 M852T

So: SIRA-S1-90-53, 15 Dec 1953

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUHIN, M. A.

"Immunogenesis in Plants and Its Practical Utilization," Doklady Moskovskoye Ordena Lenina Sel'skokhozyaistvennoi Akademii imeni K.A. Timiriazeva, no. 2, 1946, pp. 56-58. 20 M857

So: SIRA-S1-90-53, 15 Dec 1953

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"A Simplified Method of Testing the Quality of Chemical Treatments of Wheat Seed," Doklady Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V. I. Lenina, vol. 3, no. 3-4, 1948, pp. 29-36. 20 Akl

So: SIRA-S1-90-53, 15 Dec 1953

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

PA 69T09

DUNIN, M. S.

USSR/Medicine - Plants - Diseases Jun 1948
Medicine - Immunity

"Immunity of Plants to Diseases," Prof M. S. Dunin, Laureate of Stalin Prize, 6 pp

"Nauka i Zhizn'" No 6

Treats subject in general terms. Defines immunity and explains difference between inborn and acquired immunity. Describes methods of producing new varieties and species of immune plants and use of antibiotics and plant ferments.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

1. DUNIN, M.

2. USSR (600)

4. Geography & Geology

7. Around and about Afghanistan, Pakistan, and India. Moskva, Geografgiz, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

1. DUNIN, M.

2. USSR (600)

4. Afghanistan-Description and Travel

7. From Kabul to Dzhalal-Abad. Vokrug sveta no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

1. DUNIN, M.
2. USSR (600)
4. Description and Travel - Pakistan, Western
7. Pakistan diary. Vokrug sveta, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

GAUMANN, Ernst; SEMENKOVA, I.G. [translator]; DUNIN, M.S., professor, redaktor; EMDEN, M.G., redaktor; SHAPOVALOV, V.I., tekhnicheskiy redaktor.

[Infectious diseases of plants. Translated from the German] Infektsionnye bolezni rastenii. Perevod s nemetskogo I.G. Semenkovoi. Pod red. i s predisl. M.S.Dunina. Moskva, Izd-vo inostrannoi lit-ry, 1954. 608 p. (MIRA 8:5)
(Plant diseases)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

"The Importance of the Growing Conditions and Thermochemical Processing of Seed in Improving the Health and Increasing the Yield of Grain Crops," Ref. Dokl. Mosk. S.-K. Akad. im. K. A. Timiryazeva, 1954, No 17, pp 175-181

The results of 4 years of experiments by the Chair of Phytopathology of the Moscow Agricultural Academy imeni K. A. Timiryazev are presented. The effectiveness of sorting the seeds of spring grain crops in conjunction with moist heating and insectofungicide and trace element treatment was studied. In the case of oats grown under constant conditions for 39 years, application of a complete mineral fertilizer and manure increased the resistance of the plants of the succeeding generation to Ustilago. The varying susceptibility of plants grown from seeds with different absolute weights to diseases, i.e., Ustilago avenae and Helminthorporiosis, was established. Rust infection varied widely in relation to the area of nutrition. Complex presowing treatment of the seeds increased the yield of wheat, oats, and barley by 20 percent with an attendant improvement in the quality of the grain. (RZhBiol, No 6, Mar 1955) SO: Sum.No. 713, 9 Nov 55

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.
USSR/Agriculture -Seeds

Card 1/1

Author : Dunin, M. S., Prof. and Kachalova, Z. P., Cand. in Agri. Sci.

Title : Moist heating of seeds

Periodical : Nauka i Zhizn' 21/4 19-20, April 1954

Abstract : Experiments conducted at the K. A. Timiryazev Agricultural Academy in Moscow on plants revealed that by moist heating of the seeds their resistance to diseases could be increased and a larger crop would be produced. This is due to the fact that plants are susceptible to diseases at two periods, at the beginning of their life and near the end. Details of how wheat grains are infected by spores are given. At one farm oats were sown in 1952 after the seed had been subjected to moist heating. Then, in 1953, grain from this crop was sown without moist heating, but it still yielded 3.1 hundredweight per hectare above the average. Illustrations.

Institutions: ....

Submitted : ....

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, Mikhail Semenovich

[Progress in the control of plant disease] Dostizheniia v bor'be s boleznianl rastenii. Moskva, Znanie, 1956. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 5, no.13) (MLRA 10:6)

(Plant diseases)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S.

YEMEL'YANOVA, N.A. [translator]; KOZHEVNIKOVA, Ye.V. [translator]; LISOVSKAYA, O.V. [translator]; SHIKEDANTS, M.P. [translator]; DUNIN, M.S., doktor sel'skokhozyaystvennykh nauk, prof., red.; FOL'KMAN, Ye.N., red.; GERASIMOVA, Ye.S., tekhn.red.

[Plant diseases; yearbook of the U.S.Department of agriculture. Translated from the English] Bolezni rastenii; ezhegodnik Ministerstva zemledeliia SShA. Obshchaia red.i vstup. stat'ia M.S.Dunina. Moskva, Izd-vo inostr. lit-ry, 1956. 913 p. (MIRA 11:5)

1. U.S.Dept. of agriculture.
(Plant diseases)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DESHPANDE, S.D.; VELISHEV, A.A. [translator]; GOSPODINOV, G.V. [translator]; FEDORENKO, M.K., redaktor; D'YAKOV, A.M., redaktor; RYABCHIKOV, A.M., redaktor; DUNIN, M.S., redaktor; LEBEDEV, V.D., redaktor; SPIDCHENKO, K.I., redaktor; GERASIMOVA, Ye.S., tekhnicheskiy redaktor

[Western India; a regional geography. Abridged translation from the English] Zapadnaia Indiia; geograficheskii obzor. Sokrashchennyi perevod s angliiskogo A.A.Velizheva i G.V.Gospodinova. Pod red. M.K. Fedorenko. Moskva, Izd-vo inostrannoi lit-ry, 1956. 261 p. (MLRA 9:11)
(India--Physical geography)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. S.

Przez Afganistan, Pakistan i Indie; z rosyjskiego przetlumaczyl Antoni Zaleski. Wyd. 2. Warszawa, Wiedza Powszechna, 1956. 294 p. (Across Afghanistan, Pakistan, and India. Tr. from the Russian. 2d ed. illus.)
CtY Not in DLC

SO:: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., doktor sel'skokhozyaystvennykh nauk, professor.

Some peculiarities of the pathogenesis of corn smut. Izv. TSKhA no.1:43-60 '56. (MLRA 9:10)

(Corn (Maize)--Diseases and pests) (Smuts)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S.(USSR); SHPESHSHI, Ishtvan [Szepessi, Istvan] (Vengriya)

Outlines of the history of the development of phytopathology in Hungary. Vop.ist.est. i tekh. no.2:155-175 '56. (MLRA 10:1)
(Hungary--Botany--Pathology)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DOBRYNIN, V.P., prof.; OL'SHANSKIY, M.A., akademik, lektor; YELIN, Ye.Ya., dots.; FAT'YANOV, A.S., prof.; GUBAREV, A.N.; TKACHENKO, P.I., dots.; CHIZHEVSKIY, M.G., prof., lektor; AVDONIN, N.S., prof., lektor; ONUCHAK, A.I., dots.; DUNIN, M.S., prof., lektor; SAVZDARG, E.E., prof., lektor; KREMENETSKIY, N.D., dots., lektor; AVER'YANOV, S.F., dots., lektor; POLUBOYARINOV, I.I., dots.; GUBAREV, A.N., red. izd-va; NAUMOV, K.M., tekhn. red.

[Textbook on agriculture for party schools]Uchebnoe posobie po sel'skomu khoziaistvu dlia partiinykh shkol. Moskva. Pt.1. [Crop farming] Zemledelie. 1958. 397 p. (MIRA 15:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola. 2. Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Dobrynin, Ol'shanskiy, Gubarev, Tkachenko, Chizhevskiy, Avdonin, Onuchak, Dunin, Savzdarg, Kremenetskiy, Aver'yanov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Ol'shanskiy). 4. Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Ukrainy (for Yelin, Poluboyarinov). 5. Gor'kovskaya Vysshaya partiynaya shkola (for Fat'yanov).
(Agriculture)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., doktor sel'skokhozyaystvennykh nauk, prof.; KALASHNIKOV, K.Ya., kand. sel'skokhozyaystvennykh nauk.

System of measures for controlling grain smuts. Zashch. rast. ot vred. i bol. 3 no.3:26-29 My-Je '58. (MIRA 11:6)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im. K.A. Timiryazeva (for Dunin). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity rasteniy (for Kalashnikov).
(Smuts)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

All-Union Conference on plant immunity. Zashch. rast. ot vred. i bol. 3 no.4:57-59 Jl-Ag '58. (MIRA 11:9)
(Plants--Disease and pest resistance)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

COUNTRY	: USSR
CATEGORY	: Plant diseases. Diseases of Cultivated Plants
ABS. JOUR.	: RZhBiol., No. 21 1958, No. 95265
AUTHOR	: Dunin, M.S.
INST.	: -
TITLE	: The Effectiveness of Eradication of Barberry in the Control of Grain Rust
ORIG. PUB.	: Vestn. S.-Kh. Nauki, 1958, No. 4, 111-116
ABSTRACT	: No abstract.

CARD: 1/1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, Mikhail Semenovich, prof.

Enemy is discovered. IUn. nat. no.5:16-18 '58. (MIRA 11:5)
(Agricultural pests)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

More attention to the biological methods for the protection of plants against nematodes. Zashch.rast.ot vred.i bol. 4 no.6:32 N-D '59. (MIRA 15:11)
(Nematoda--Biological control) (Nematode diseases of plants)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M. (Moscow)

"On the role of the resistant host plants in the adaptive changes of Puccinia tritioina Erickes."

report submitted for the International Conference on Scientific Problems of Plant Protection, Budapest, 19-22 July 1960.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

KLINGEN, Ivan Nikolayevich; DUNIN, M.S., prof., doktor sel'skokhoz.nauk, red.; BOYARSKAYA, L.S., red.; ZUBRILINA, Z.P., tekhn.red.

[Among the patriarchs of agriculture of the Near and the Far Eastern people; Egypt, India, Ceylon, China] Sredi patriarkhov zemledeliia narodov Blizhnego i Dal'nego Vostoka; Egipet, Indiia, TSeilon, Kitai. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 603 p. (MIRA 13:11)

(Far East--Agriculture) (Near East--Agriculture)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

"Bacterial tomato diseases in the Armenian S.S.R. and their control" by R.M. Galach'ian. Reviewed by M.S. Dunin. Zashch. rast. ot vred. i bol. 5 no. 8:61 Ag '60. (MIRA 13:12)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im. K.A. Timiryazeva.
(Armenia--Tomatoes--Diseases and pests)
(Galach'ian, R.M.)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S.

Problem pertaining to immunity. Zashch. rast. ot vred. i bol. 5 no.1:59-60 Ja '60. (MIRA 14:6)
(Plants—Disease and pest resistance)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

BORGGARDT, Aleksandr Ivanovich, prof.; DUNIN, M.S., prof., doktor sel'-khoz. nauk, red.; NEMLIYENKO, F.Ye., doktor sel'khoz. nauk, red.; ZHUK, K.A., kand. sel'khoz. nauk, red.; SAVZDARG, V.E., red.; GOR'KOVA, Z.D., tekhn. red.

[Selected works on phytopathology] Izbrannye trudy po fitopatologii. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1961. 214 p. (MIRA 15:1)
(Plant diseases)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

GORLENKO, M.V., prof., red.; ZHUKOVSKIY, P.M., akademik, red.; DUNIN, M.S., prof., red.; TVERSKOY, D.L., doktor biolog. nauk, red. SUVALOV, I.S., red.; ANTONOVA, N.M., tekhn. red.

[Immunity of plants to diseases and pests] Immunitet rastenii k bolezniam i vrediteliam. Pod obshchei red. M.V.Gorlenko. Moskva, Sel'khozgiz. 1961. 245 p. (MIRA 15:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I. Lenina.

(Plants—Diseases and pests)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

VORONIN, Mikhail Stepanovich, akademik (1838-1903); SEMENKOVA, I.G.; DUNIN, M.S., prof., red.; SEMENOVSKIY, A.A., red.; MAKHOVA, I.N., tekhn. red.; PROKOF'YEVA, L.N., tekhn. red.

[Selected works] Izbrannye proizvedeniia. Sost. I.G.Semenkova. Pod red. i so vstup. stat'ei. M.S.Dunina. Moskva, Sel'khozizdat, 1961. 274 p. (MIRA 15:6)
(Mycology) (Voronin, Mikhail Stepanovich, 1838-1903)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., doktor sel'skokhozyaystvennykh nauk, prof.

Ring rot in potatoes; pathogenesis, diagnosis, control measures. Izv. TSKhA no.5:20-34 '61. (MIRA 14:12)
(Potato rot)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

Microbe hunting. IUn. nat. no.6:30-31 Je '61. (MIRA 14:7)
(Corn (Maize)--Diseases and pests))

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

Microbe hunt. IUn. nat. no.7:35-37 Jl '61. (MIRA 14:7)
(Potatoes--Diseases and pests)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M., prof.

How you can take part in the development of communism. IUn. nat. no.12:2-3 D '61. (MIRA 15:1)
(Agriculture--Experimentation)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., doktor sel'skokhozyaystvennykh nauk, prof.

Methods for the protection of forage beans against diseases [with summary in English]. Izv. TSKHA no.1:11-31 '62. (MIRA 15:6)
(Beans--Diseases and pests)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

For careful control, for increasing the quality and the effectiveness of seed disinfection. Zashch.rast.ot vred.i bol. 5 no.3: 18-19 Mr '60. (MIRA 16:1)
(Seeds—Disinfection)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof., doktor sel'skokhoz.nauk

Discussion on silicate bacteria. Zashch. rast. ot vred. i bol. 4 no.5:29-32 S-O '59, (MIRA 16:1)
(Bacteria, Silicate) (Soil inoculation) (Plant diseases)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., doktor sel'skokhoz.nauk

Leading role of seed production in the protection of cereals against diseases. Zashch. rast. ot vred. i bol. 6 no.8:32-35 Ag '61. (MIRA 15:12)

(Grain—Diseases and pests)
(Seed production)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof., doktor sel'skokh. nauk

Studying and utilizing the antigenic properties of plant viruses. Izv. TSKHA no.5:65-72 '62. (MIRA 16:7)

(Virus diseases of plants)
(Serum diagnois)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

"Harmful and useful fungi" by M.K. Khokhriakov. Reviewed by M.S. Dunin. Zashch. rast. ot vred. i bol. 6 no.11:62-63 N '61. (MIRA 16:4)

(Fungi)
(Khokhriakov, M.K.)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, Mikhail Semenovich, doktor sel'khoz.nauk; LEONOVA, T.S., red.; KANTOROVICH, A.V., spets. red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Self-protection of plants against diseases] Samozashchita rastenii ot boleznei. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.15) (MIRA 16:7)
(Plants--Disease and pest resistance)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

GOL'DIN, Mark Iosifovich; DUNIN, M.S., doktor sel'khoz. nauk, prof., otv. red.; MATVEYENKO, T.A., red.izd-va; POLYAKOVA, T.V., tekhn. red.

[Virus inclusions in plant cells and the nature of viruses] Virusnye vkliucheniia v rastitel'noi kletke i priroda virusov. Moskva, Izd-vo AN SSSR, 1963. 202 p. (MIRA 16:12)
(Virus diseases of plants)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

GORIN, A.P., prof.; DUNIN, M.S.; KONOVALOV, Yu.B.; MITROFANOVA, K.S.; POLITOVA, I.D.; SAMSONOV, M.P.; SELAVRI, M.K.; UKOLOV, A.A.; YURTSEV, V.N.; GRACHEVA, V.S., red.; [redacted]

[Manual on field work in the breeding and seed production of field crops] Rukovodstvo k prakticheskim zaniatiiam po selektsii i semenovodstvu polevykh kul'tur. [By] A.P.Gorin i dr. Moskva, Sel'khozizdat, 1963. 574 p. (MIRA 16:12)

1. Kollektiv prepodavateley kafedry genetiki, selektsii i semenovodstva polevykh kul'tur Moskovskoy sel'skokhozyaystvennoy akademii im. K.A.Timiryazeva (for Gorin, Konovalov, Mitrofanova, Samsonov, Selavri, Ukolov, Yurtsev). 2. Kafedra Fitopatologii Moskovskoy sel'skokhozyaystvennoy akademii im. K.A.Timiryazeva (for Dunin). 3. Kafedra statistiki Moskovskoy sel'skokhozyaystvennoy akademii im. K.A.Timiryazeva (for Politova).

(Field crops) (Seed production)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., doktor sel'skokhozyaystvennykh nauk, prof.; VOLODARSKIY, A.D., starshiy nauchnyy sotrudnik

Effect of the physiologically active substance of Ustilago zeae (Beckm.) Unger on higher plants. Izv. TSKHA no.5:7-19 '63. (MIRA 17:7)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

Protection of vineyards and orchards in Rumania. Zashch. rast. ot vred. i bol. 8 no.1:52-54 Ja '63. (MIRA 16:5)
(Rumania—Fruit—Diseases and pests)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.

An important discovery. Zashch. rast. ot vred. i bol. 8 no.3:55-57 Mr '63. (MIRA 17:1)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof.; KHOKHRYAKOV, M.K., prof.; POPOVA, T.T., starshiy nauchnyy sotrudnik; NAUMOVA, N.A., kand.sel'skokhoz.nauk

Outstanding scientists. Zashch. rast. ot vred. i bol. 8 no.12:4-7 D '63. (MIRA 17:3)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im. Timiryazeva (for Dunin). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut l'na (for Popova). 3. Vsesoyuznyy institut zashchity rasteniy (for Naumova).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof., doktor sel'skokhozyaystvennykh nauk; VOLODARSKIY, A.D., starshiy nauchnyy sotrudnik

Fluorescence serological diagnosis of the pathogens of virus and bacterial diseases of plants. Izv. TSKHA no.3:163-173 '64. (MIRA 17:11)

1. Kafedra fitopatologii Moskovskoy sel'skokhozyaystvennoy akademii imeni Timiryazeva (for Dunin). 2. Immunologicheskaya laboratoriya stantsii zashchity rasteniy Moskovskoy sel'skokhozyaystvennoy akademii imeni Timiryazeva.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof. doktor sel'skokhoz. nauk; POMAZKOV, Yu.I., aspirant

Viral nature of reversion in black currant plantations. Izv. TSKHA no.4:138-152 '64. (MIRA 17:11)

1. Kafedra fitopatologii Sel'skokhozyaystvennoy akademii imeni Timiryazeva.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S., prof., doktor sel'skokhoz. nauk

Immunity and chemistry in protecting plants against diseases and pests. Izv. TSKHA no.5:165-177 '64.
(MIRA 18:5)

1. Kafedra fitopatologii Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni Timiryazeva.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUBIN, M.S., prof.; VINITSKAYA, O.P., doktor sel'skokhoz nauk, aspirantka

Method for protecting forage beans against diseases. Izv. TSKHA no.6:123-133 '64 (MIRA 18:1)

1. Kafedra fitopatologii Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, M.S.; ZEZYUKIN, A.I.

Comparative study of the methods for the serodiagnosis of phytopathogenic viruses. Izv. TSKHA no.4:141-155 '65.
(MIRA 18:11)

1. Kafedra fitopatologii Moskovskoy sel'skokhozyaystvennoy ordena Lenina akademii imeni Timiryazeva. Submitted February 27, 1965.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

L 04104-67 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6028530 SOURCE CODE: UR/0276/66/000/005/B047/B047

42
13

AUTHOR: Dunin, N. A.

TITLE: Removal of burrs from heat-resistant and titanium alloys using metal wire brushes

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 5B313

REF SOURCE: Sb. Mashinostroiteli dlya khim. i metalloobrabat. prom-sti. Kazan', 1965, 47-51

TOPIC TAGS: heat resistant alloy, titanium alloy, deburring, chip removal /EI437B alloy, VT-8 alloy

ABSTRACT: The roughness and microhardness of the surface layers of samples of the EI437B and VT-8 alloys have been investigated. The operation can be mechanized with metal wire brush following machining by cleaning the surface, and improving the quality of the surface layer. A flow chart showing the use of wire brushes is given. Data are supplied for changes in the microhardness of a surface layer as function of the circular velocity of the brush. Orig. art. has: 4 figures and a bibliography of 5 reference items.

SUB CODE: 11, 13/

Card 1/1 kh UDC: 621.789

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

PETRUSOV, Aleksandr Iosifovich, prof.; KOMARISTOV, Vasiliy Yefimovich, kand. tekhn. nauk; DUNIN, N.F., kand. sel'khoz. nauk, otv. red.; KURILOVA, T.M., red.; ALEKSANDROVA, G.P., tekhn. red.

[Machinery for sowing, planting, and the application of fertilizers; theory, design, and calculations] Mashiny dlia posheva, posadki i vneseniia udobrenii; teoriia, konstruktsiia i raschet. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1961. 225 p. (MIRA 15:1)
(Agricultural machinery—Design)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN, V.M., inzh.-konstruktor

Some changes in the design of pulsatory aerosol generators.
Zashch.rast.ot vred.i bol. 7 no.6:24 Je '62. (MIRA 15:12)

1. Voronezhskiy lesotekhnicheskiy institut.
(Spraying and dusting equipment)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

124-57-1-1141

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 158 (USSR)

AUTHOR: Dunin, Ya. N.

TITLE: On the Distribution of Skewed Bars in Reinforced-concrete Bridge Beams (O raspredelenii kosykh sterzhney v zhelezo-betonnykh mostovykh balkakh)

PERIODICAL: Tr. Azerb. politekhn. in-ta, 1956, Nr 2, pp 22-28

ABSTRACT: Bibliographic entry

1. Bridges--Design 2. Beams--Applications 2. Reinforced concrete --Applications

Card 1/1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

NIKOMAROV, Grigori Markovich; DUNIN, Ya.N., red.; SHTEYNGEL', A.S., red.; AKHMEDOV, S., tekhn. red.

[Calculations for underwater pipelines] Raschety podvodnykh truboprovodov. Baku, Azerneshr, 1961. 164 p. (MIRA 15:6)
(Underwater pipelines)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

15-1957-10-14053

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, pp 105-106 (USSR)

AUTHOR: Dunin-Barkovskaya, E. A.

TITLE: Some Features of the Vesuvianites From a Deposit in Central Asia (Nekotoryye osobennosti vezuvianov odnogo iz mestorozhdeniy Sredney Azii)

PERIODICAL: Zap. Uzbekist. otd. Vses. mineralog. o-va, 1956, Nr 10, pp 131-135

ABSTRACT: Vesuvianite was discovered at the contact of granite and granodiorite with limestones. It occurs in skarns associated with garnet, amphibole, pyroxene, calcite, muscovite, apatite, and chlorite. Individual crystals of the mineral reach a length of 5 cm. They are generally oriented parallel to each other, or they are without any order. The hardness is 5.5, the specific gravity is 3.45, Ng-Np = 0.005-0.004, and 2V is small. Two genetic types of vesuvianite were identified, endoskarn and exoskarn. Endoskarn vesuvianite is characterized by dark

Card 1/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

15-1957-10-14053

Some Features of the Vesuvianites From a Deposit in Central Asia

colors and a high content of Fe_2O_3 + FeO, TiO_2, Yb, La, and Zn. Exoskarn vesuvianite has a lighter color (brownish gray, gray, and lilac). The impurities in this variety are Li (in tenths of a percent) and Be (in hundredths of a percent). The color of the vesuvianite depends on the impurities: greenish-brown occurs with Ti, Y, Yb, and In; greenish with Cr; and gray and lilac with Li. All the vesuvianite of this deposit formed by a two-fold metasomatism.

N. K. Ryabicheva

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN-BARKOVSKAYA, E.A.

Data on contact changes in rocks of the Lachin-Khana complex ore deposit. Uzb. geol. zhur. no.4:39-49 '59. (MIRA 13:1)

1. Glavnoye geologicheskoye upravleniye.
(Ugam Range--Ore deposits)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN-BARKOVSKAYA, E.A.

Conichalcite from the Karzhantau Range in southern Kazakhstan. Zap.Uz.otd.Vses.min.ob-va no.13:124-127 '59. (MIRA 13:7)

(Karzhantau Range--Conichalcite)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNLO-BARKOVSKAYA, E.A.

Cerargyrite and certain features in the behavior of silver in Lachin-Khana ores. Uzb. geol. zhur. no.4:39-43 '60. (MIRA 13:10)

1. Glavnaya geologiya UzSSR.
(Ugam Range--Cerargyrite)

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DUNIN-BARKOVSKAYA, N.A.

New members of the isomorphous olivenite-adamite series.
Zap. Vses. min. ob-va 89 no.4:400-414 '60. (MIRA 13:11)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov UzSSR, Tashkent.
(Olivenite) (Adamite)

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DUNIN-BARKOVSKAYA, E.A.

Thallium in ores and minerals of the Lachin-Khana deposits. Geokhimia no.8:684-692 '61. (MIRA 17:3)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov Uzbekskoy SSR, Chatkal'skaya ekspeditsiya, Tashkent.

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DUNIN-BARKOVSKAYA, E.A.

Conichalcite and staszicite from the Lachin-Khana deposit. Zap.Vses.min.ob-va 92 no.2:146-157 '62. (MIRA 15:6)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov UzSSR, Tashkent.
(Ugam Range--Conichalcite) (Ugam Range--Staszicite)

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DUNIN-BARKOVSKIY, I. V.

DUNIN-BARKOVSKIY, I.V., dotsent, kandidat tekhnicheskikh nauk

Statistical methods of analyzing the technological process and quality control of production in forging. Trudy MATI no.24:123-163 '54. (MLRA 8:10)

(Forging) (Quality control)

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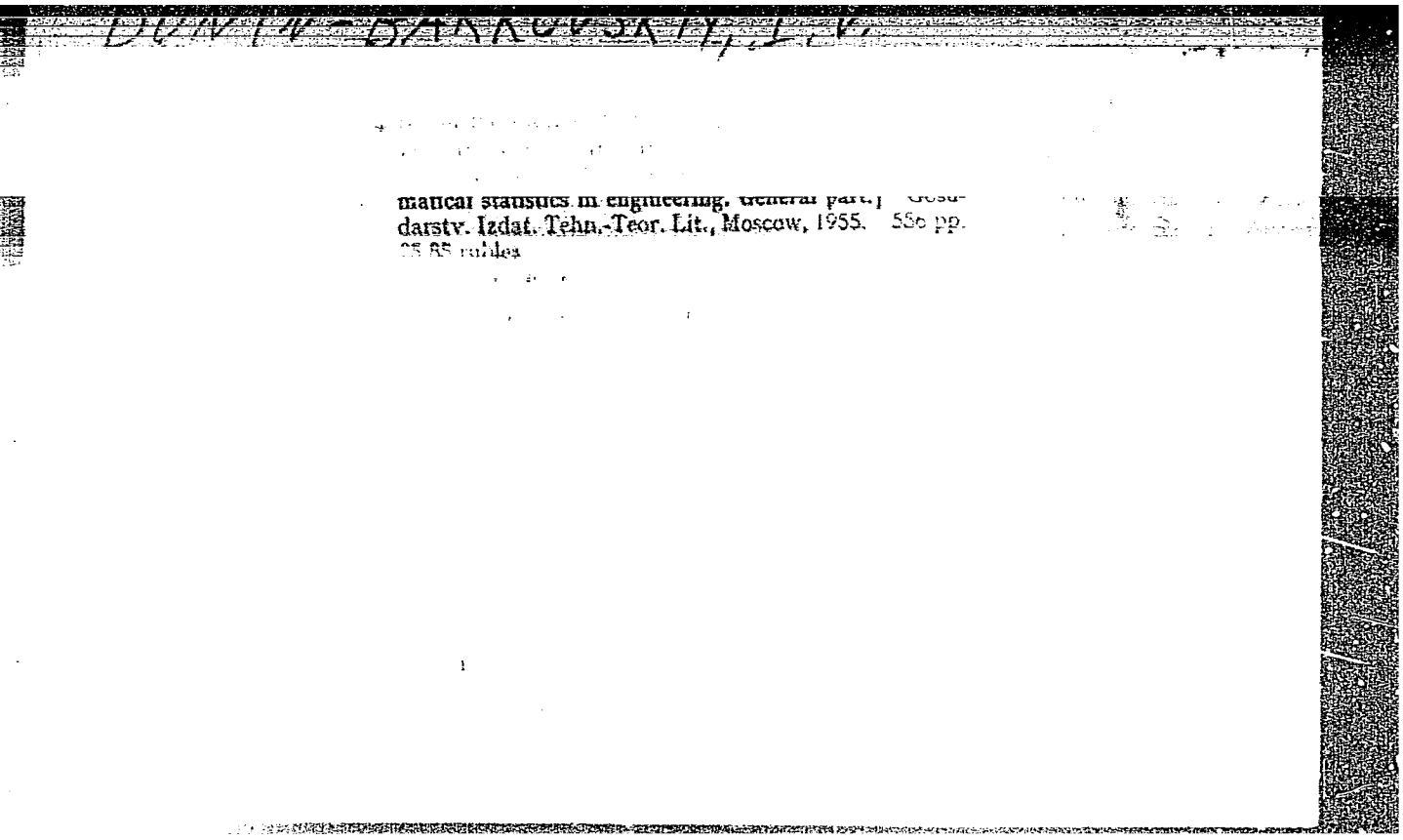

matical statistics in engineering. General part.] Gosudarstv. Izdat. Tekh.-Teor. Lit., Moscow, 1955. 556 pp. 25.85 rubles

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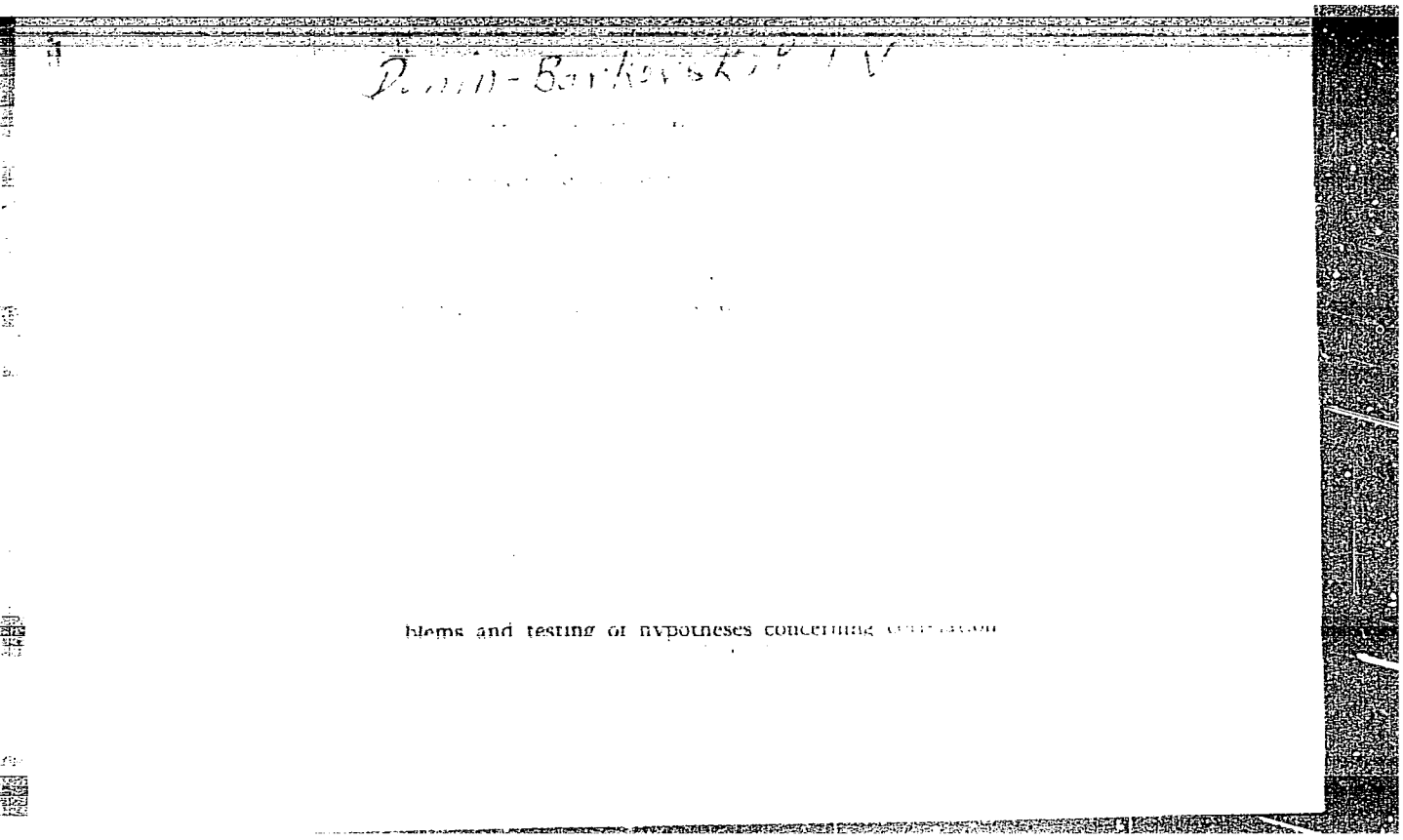

blems and testing of hypotheses concerning

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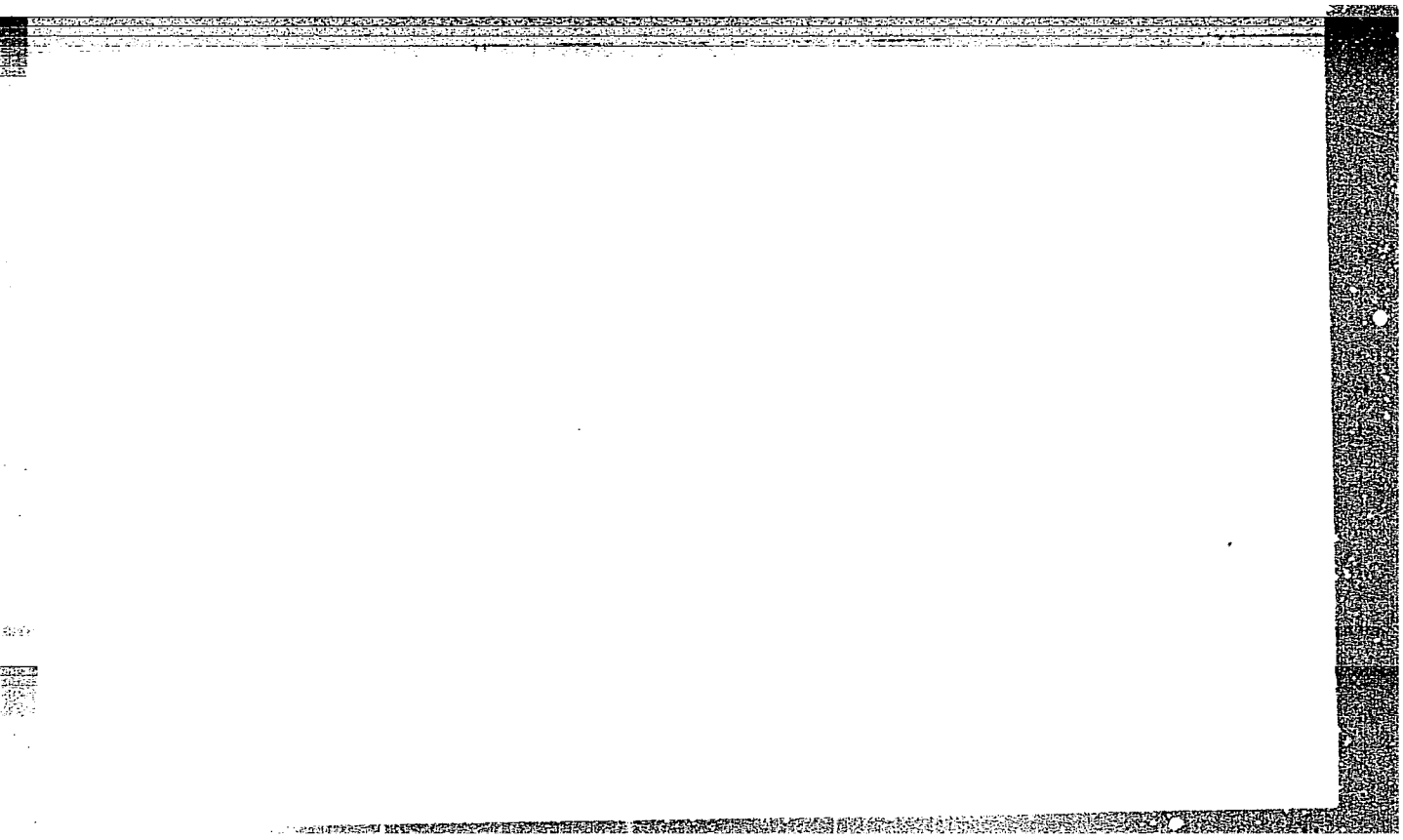

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN-BARKOVSKIY, I.V., kandidat tekhnicheskikh nauk, dotsent.

Effect of precision in measuring surface smoothness on the interchangeability in mechanical engineering. Trudy MATI no.32: 80-95 '57. (MLRA 10:8)
(Surfaces (Technology)) (Mechanical movements)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

DUNIN-BARKOVSKIY, I.V.; KARTASHEVA, A.N.

Accuracy of the measurement of surface roughness. Nauch.dokl. vys.shkoly; mash.i prib. no.4:160-169 '58. (MIRA 12:5)

1. Stat'ya predstavlena kafedroy "Tekhnologiya mekhanicheskoy obrabotki i metallorezhushchiye stanki" Moskovskogo tekhnologicheskogo instituta.
(Surfaces(Technology)--Measurement)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

AUTHORS: Dunin-Barkovskiy, I.V., Kartasheva, A.N. SOV/115-58-6-4/43

TITLE: On Quality Evaluation of Methods for Checking Measuring Devices (Ob otsenke kachestva metodik poverki izmeritel'nykh priborov)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 6, pp 6-11 (USSR)

ABSTRACT: The checking of measuring devices of a single type is often carried out by different methods. For the evaluation of the different methods there is no objective criterium. Lever-mechanical measuring devices are checked by testing separate points of the scale where the error must not exceed the tolerance limit. The checking of the error of a device may be used for checking the statistical hypothesis N on the fact that 99.7 % of the central interval $(a - 3\sigma, a + 3\sigma)$ of the normal distribution lies completely within the given interval $(-\Delta, \Delta)$, where a is the abscissa of the distribution center of the indication errors of the device, their average quadratic deviation, and $\Delta = [\Delta_{lim}]$ the permissible value of the indication error. Figure 1 shows one of the possible distributions of these intervals for $3\sigma < \Delta$. The data of the table was used to draw the operation curve $R_n - \frac{\sigma}{\Delta}$, where R_n is the probability of applying the hypothesis N (Figure 2).

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On Quality Evaluation of Methods for Checking Measuring Devices.

The operation characteristic is still far from an ideal characteristic. Figures 3 and 4 show operation curves for the hypothesis N using values of the parameter $\frac{\Delta\delta}{\Delta}$ = 0.25; 0.50; 0.75. Using the principles of modern mathematical statistics an objective criterium for the reliability of the methods of checking measuring devices may be developed and scientifically proved.
There are 4 graphs, 1 table and 1 Soviet reference.

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SOV/122-58-7-19/31

AUTHOR: Dunin-Barkovskiy, I.V., Candidate of Technical Sciences, ~~Docent~~

TITLE: A Piezoeletric Method of Measuring Surface Roughness (P'yezoelektricheskiy metod izmereniya sherokhovatosti poverkhnosti)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 7, pp 61-62 (USSR)

ABSTRACT: A piezoelectric profilometer, designated DB(MATI), has been developed at the Moskovskiy aviatsionnyy tekhnologicheskiy institut (Moscow Institute of Aviation Technology). The measuring stylus is a sapphire cone with 90° apex angle radiused to 10 μ (.01 mm), mounted in a light alloy holder. The piezo-element is made from two strips of barium metatitanate, 40 x 8 x 0.35 mm which are bonded together - while this material has inferior piezoelectric effect to Rochelle salt, it is less temperature and moisture sensitive. The stylus or probe is brought into contact with the surface to be measured by winding back a pair of semi-spherical supporting feet placed either side of it. These are moved back by withdrawing a wedge connected with a micrometer thimble. The measuring head can be moved at a constant speed within the

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limits 1.5 to 3 mm/sec by the motor-driven cam gear shown in Figure 3.
The amplifier and indicating instrument receives an alternating current signal from the piezoelectric element, amplifies it and feeds it to a 'quadrator' rectifier and thence to the indicator. The amplifier has practically constant characteristics between 10 and 1 500 c.p.s. and consequently can give a true picture of the amplitude of the voltage delivered by the piezo-electric element moving at the controlled speed above, with normal pitch of surface roughness. The indicating micro-ammeter is divided so as to give root mean square deviations of surface roughness directly. It is claimed that the comparative insensitivity of the piezoelectric instrument to speed of movement makes this equipment more accurate than induction-type sensing instruments. It is less than half the size of induction-type instruments and can be used in holes only 37 mm dia. The operating force

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amounts to only 0.1 g/μ movement, against 0.24 g/μ for induction heads and, consequently, it can be used on softer surfaces.
There are 4 figures.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000411610004-4

AUTHOR: Dunin-Barkovskiy, I. V., Candidate of Technical Sciences SOV/119-58-9-4/18

TITLE: Problems in the Methods of Profilometer Control (Nekotoryye voprosy metodiki regulirovaniya profilometrov)

PERIODICAL: Priborostroyeniye, 1958, Nr 9, pp. 10-12 (USSR)

ABSTRACT: The reading accuracy of a profilometer depends particularly on the method of adjustment. For the K_{SK} profilometer, which uses a push-pull rectification circuit, the anode detection principle is applied. It is shown in theory and practice how the various parameters influence adjustment. The following items are discussed:

a) The push-pull circuit of the anode rectification, operating as a square-law detector.
b) A circuit for testing the equivalence of tube characteristics.
c) A push-pull rectification circuit using semiconductors.
d) A block diagram of the device serving for adjusting the working range of the squarer of the K_{SK} profilometer.
e) A circuit diagram of the range switch for 4 positions.

It is a feature of the proposed adjusting method that it is

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based on the analytical determination of the scale division which may be carried out with any precision. The theoretical computation of the ranges of the potentiometer can be checked by means of a precision bridge.
There are 6 figures.

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28-58-3-30/39

AUTHORS: Dunin-Barkovskiy, I.V. and Kartasheva, A.N., Candidates of Technical Sciences

TITLE: Production Control of Surface Finish in Machine Building Must be Improved (Uluchshit' proizvodstvennyy kontrol' chistoty poverkhnostey v mashinostroyenii)

PERIODICAL: Standartizatsiya, 1958, Nr 3, pp 81-82 (USSR)

ABSTRACT: Information is given on the conditions revealed by an inspection of Moscow and Leningrad plants. Instruments for surface-finish checks are, as a rule, available only in the plant laboratory and are used only in cases of disputes. At large plants, instruments are available in lots of one for every 2 or 3 workshops. Surface-finish checking instruments, like the "PCh-2" and "KV-7" profilometers, or "Kalibr-VEI" of the Plant "Kalibr", are inaccurate and unreliable and workers frequently refuse to use them. At the plant "Kalibr" producing measuring instruments, the instruments are checked by the crude "PCh-2" gage of the Leningradskiy instrumental'nyy zavod (Leningrad Tool Plant). The instruments in use at the plants have never been checked for accuracy. The optic instruments are time-consuming and are also unreliable; the double "MIS-11" microscope as well as the inter-

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Production Central of Surface Finish in Machine Building Must Be Improved

ference microscope are not reliable and cannot be used for a direct checking of large parts. Thus workers and shop inspectors rely on their eyes and experience, despite the precise surface finish indications in drawings. It is also stated that no measures are being taken to correct such conditions. The authors think that the work of the separate institutes and plants concerned must be coordinated and planned in accordance with the requirements of the industry.

Card 2/2 1. Finishes---Standards 2. Machines---Inspection

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DUNIN-BARKOVSKIY, I. V.

PHASE I BOOK EXPLOITATION SOV/3534 1969

Moscow. Avtotsionnyy tekhnologicheskiy institut

Voprosy avtomatizatsii i mekhanizatsii tekhnologicheskikh protsessov' (Problems in the Automation and Mechanization of Manufacturing Processes) Moscow, Oborongiz, 1959. 105 p. (Series: Its: Trudy, vyp. 37) Errata slip inserted. 6,500 copies printed.

Sponsoring Agency: Ministerstvo vysshego obrazovaniya SSSR.

Ed.: A. I. Isayev, Doctor of Technical Sciences, Professor; Ed. of Publishing House: I. A. Sivorova; Tech. Ed.: N. A. Pukhlikova; Managing Ed.: A. S. Zaymovskaya.

PURPOSE: This collection of articles is intended for engineer-technologists and scientific workers in the field of technology of machine construction, and students in the same special field.

COVERAGE: This collection of articles considers, on the basis of investigations conducted, methods for the automation of manufacturing processes involving the machining of parts on metal-cutting machine tools; it presents information regarding a suitable selection of machine tools for lot production and deals with methods of mechanizing the machining and inspection of parts having a complex form.

III. Isayev, A. I., Doctor of Technical Sciences, Professor; and L. M. Pomeranitsev, Engineer. Investigation of the Technology of the Machining and Checking of the Working Surfaces of the Blades of Propeller-type Hydroturbines 46

IV. Dunin-Barkovskiy, I. V., Docent, Candidate of Technical Sciences; and A. N. Kaftaleva, Candidate of Technical Sciences. On the Problem of Criteria for Reliable Checking of Measuring Instruments 78

V. Chistyakov, A. A., Docent, Candidate of Technical Sciences. Methods for Determining Permissible Unbalance of the Rotors of High-speed Turbomachines Operating on Roller Bearings 91

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DUNIN-BARKOVSKIY, I.V.

PHASE I BOOK EXPLOITATION SOV/3591

Smirnov, Nikolay Vasil'yevich, and Igor' Valerianovich Dunin-Barkovskiy

Kratkiy kurs matematicheskoy statistiki dlya tekhnicheskikh prilozheniy (A short Course in Mathematical Statistics for Technological Application) Moscow, Fizmatgiz, 1959. 436 p. 20,000 copies printed.

Ed.: A. F. Lapko; Tech. Ed.: V. N. Kryuchkova.

PURPOSE: This book is intended for students of schools of higher technical education studying mathematical statistics and probability theory, and also for engineers using statistical methods in their work.

COVERAGE: This book discusses the fundamental aspects of mathematical statistics and probability theory necessary for applications in control and technological processes. The most important statistical methods and devices are illustrated by examples from Soviet and non-Soviet industrial experience. Computational methods are discussed in detail. The book can be profitably used by those having a background in only the fundamentals of mathematical analysis. The author thanks B. V. Gnedenko and V. S. Mikhalevich of the AN Ukr SSR., and also A. F. Lapko and A. N. Kartasheva. There are 80 references:

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ROGOVSKAYA, N.V.; MOROZOV, A.T., nauchnyy red.; LANGE, O.K., retsenzent; BINDEMAN, N.N., retsenzent; DUNIN-BARKOVSKIY, L.V., retsenzent; FILIPPOVA, B.S., red. izd-va; BYKOVA, V.V., tekhn. red.

[The technique of establishing hydrogeological regions for land reclamation purposes; hydrogeological land reclamation regions] Metodika gidrogeologicheskogo raionirovaniia dlia obosnovaniia melioratsii; gidrogeologo-meliorativnoe raionirovanie. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1959. 174 p. (MIRA 14:6)

(Murgab Valley—Irrigation research)
(Kura-Aras Valley—Irrigation research)

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DUNIN-BARKOVSKIY, I.V.

Using the method of probability curves in processing measurement results. Izm.tekh. no.1:11-14 Ja '60. (MIRA 13:5)
(Mensuration--Graphic methods)

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